

CrIS SDR Calibration Specification and On-Orbit Values

Band	LW	MW	SW
Spectral Range (cm⁻¹)	650-1095	1210-1750	2155-2550
Number of Channels	713	433	159
Resolution (cm⁻¹)	0.625	1.25	2.5
FORs Per Scan	30	30	30
FOVs Per FOR	9	9	9
NEdN @ 287K BB mw/m²/sr/cm⁻¹	0.14(0.05)	0.06(0.02)	0.007(0.002)
Radiometric Uncertainty @ 287K BB (%)	0.45 (0.3)	0.58 (0.2)	0.77 (0.2)
Spectral (Channel Center) Uncertainty ppm	10 (3)	10(3)	10 (3 , relative to FOV5)
Geolocation Uncertainty (km)	1.5(1.0 , nadir)	1.5(1.0 , nadir)	1.5(1.0 , nadir)

*Values highlighted in red are derived from postlaunch calval